

[Designation of Document] Claims

[Claim 1]

A vehicle information display apparatus comprising:
first display means for displaying first predetermined information as a first display image; second display means for displaying second predetermined information as a second display image; and control means for controlling operating states of the first and second display means, and displaying the first and second display images in a predetermined display area,

characterized in that the first display means is adapted to be capable of switching between a displayed state and a hidden state of a part of the first display image,

the second display means is adapted to be capable of enlarging and reducing the display range of the second display image, and

the control means switches the part of the first display image into the hidden state in association with enlargement of the display range of the second display image and switches the part of the first display image into the displayed state in association with reduction of the display range of the second display image.

[Claim 2]

A method of displaying vehicle information for displaying a first display image which provides a first

predetermined information and whose display state is partly switched between a displayed state and a hidden state, and a second display image which provides a second predetermined information and whose display range is enlarged and reduced in a predetermined display area,

characterized in that a part of the first display image is switched to the hidden state in association with enlargement of the display range of the second display image, and the part of the first display image is switched to the displayed state in association with reduction of the display range of the second display image.

[Claim 3]

The vehicle information display apparatus according to Claim 1, characterized in that the control means determines whether or not the changing/switching conditions for switching the display of the first display image in association with the change of the display range of the second display image is satisfied according to the predetermined supplied information and, when the changing/switching conditions are satisfied, changes the display range of the second display image and switches the display of the first display image.

[Claim 4]

The vehicle information display apparatus according to Claim 1, characterized in that the changing/switching conditions can be changed by a user.

[Claim 5]

The vehicle information display apparatus according to Claim 1, characterized in that the first display means is a pointer-type display device, and the second display means is an image display device for displaying a plurality of different contents or types of second predetermined information as the second display image in a multiplex or interchangeable manner.

[Claim 6]

The vehicle information display apparatus according to Claim 1, characterized in that the first display means and the second display means are arranged so as to oppose to each other with the intermediary of a transmissive reflecting member that combines the respective display images by transmitting the display image on one of the first display means and the second display means and reflecting the display image on the other one of them.

[Claim 7]

The vehicle information display apparatus according to Claim 5, characterized in that a concave surface mirror member that reflects the first and second display images combined through the transmissive reflecting member toward the user is further provided.

[Designation of Document] Abstract

A vehicle information display apparatus in which an optimal display is achieved according to attributes, contents, and types of displayed information and preference of a user, and the like while constraining upsizing of an entire display area is provided.

In a vehicle information display apparatus including a meter device (first display means) for displaying a first display image 17, a multi-display (second display means) 2 for displaying a second display image 24, and control means 110 for controlling the operation of the meter device 1 and the multi-display 2, and displaying the first and second display images 17, 24 in a predetermined display area 5, the control means 110 performs a changing/switching process for switching the display mode of the first display image 17 in association with the change of the display mode of the second display image 24 (enlargement and reduction of a display range 25).